

For each of the following, graph the function and identify:

a.) vertex

b.) y-intercept

c.) x-intercepts

d.) discriminant

e.) domain

f.) range

1.)  $y = -2x^2 + 4x + 6$

3.)  $y = 2x^2 - 8x + 5$

2.)  $y = 3x^2 + 12x + 13$

4.)  $y = x^2 - 8x + 16$

5.)  $y = -0.5x^2 - 7x + 9$

6.)  $(1/3)x^2 - 4x - 8$